

# Converting Colors

$Yxy(86.6307, 0.2909, 0.3278)$

Have a look what the booklet for  
Yxy(86.6307, 0.2909, 0.3278)  
contains.

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# Color

**Yxy(86.6240, 0.2911, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F6F7
RGB	212, 246, 247
RGB Percent	83%, 96%, 97%
CMY	0.1685, 0.0353, 0.0314
CMYK	0.14, 0.00, 0.00, 0.03
HSL	182°, 69%, 90%
HSV	182°, 14%, 97%
XYZ	76.9022, 86.6240, 100.6519
YIQ	235.9480, -20.5850, -6.8970

# Conversions

## Conversions Part 2

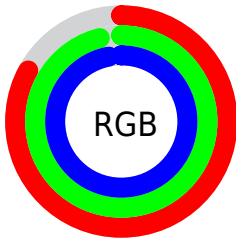
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	212, 229, 247
Decimal	13956855
CIE Lab	94.58, -10.72, -4.18
CIE LCh	95, 11.504, 201.279
Yxy	86.6240, 0.2911, 0.3279
Android (android.graphics.Color)	4292146935 (0xFFD4F6F7)
YUV	235.9480, 5.4486, -21.0024
Hunter-Lab	93.0720, -15.3875, 1.0318

# Details

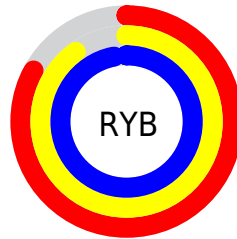
The Yxy color **86.6240, 0.2911, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.1322, 0.3389, 0.3301**, and the grayscale version is **83.8149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7566, 0.2862, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **82.8071, 0.2769, 0.3271**, and if you desaturate by 10%, it is **91.0112, 0.3062, 0.3287**.

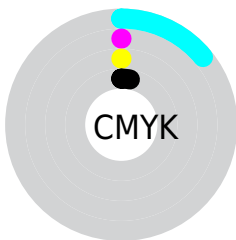
# Distribution



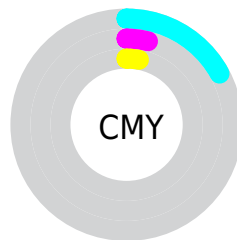
- Red (83%)
- Green (96%)
- Blue (97%)



- Red (83%)
- Yellow (90%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (17%)
- Magenta (4%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6240, 0.2911, 0.3279 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 86.6240, 0.2911, 0.3279 by changing the saturation by 10% instead.




 86.6240, 0.2911,  
0.3279

 86.6240, 0.2911,  
0.3279


516.9865, 0.3007,  
0.3285

 65.1841, 0.2890,  
0.3278


142.6399, 0.2944,  
0.3281

 47.6104, 0.2864,  
0.3276


177.9848, 0.2957,  
0.3282

 33.5184, 0.2832,  
0.3273


218.7334, 0.2968,  
0.3283

 22.5239, 0.2791,  
0.3270


265.2701, 0.2978,  
0.3283

 14.2424, 0.2737,  
0.3265

317.9794, 0.2987,  
0.3284

 8.2894, 0.2661,  
0.3257

377.2456, 0.2994,

 4.2807, 0.2551,

0.3284

443.4532, 0.3001,  
0.3284

0.3245

1.8318, 0.2373,  
0.3220

0.5069, 0.1401,  
0.3227

86.6240, 0.2911,  
0.3279

86.6240, 0.2911,  
0.3279

82.8071, 0.2769,  
0.3271

91.0112, 0.3062,  
0.3287

79.5242, 0.2639,  
0.3262


94.7401, 0.3178,  
0.3294


76.7517, 0.2525,  
0.3252

95.1703, 0.3178,  
0.3301

74.4596, 0.2427,  
0.3243


95.6021, 0.3177,  
0.3308

 72.6151, 0.2349,  
0.3233


 96.0355, 0.3177,  
0.3314


 71.1812, 0.2291,  
0.3223


 96.4706, 0.3177,  
0.3321


 70.1148, 0.2251,  
0.3214

 96.9072, 0.3176,  
0.3328

 69.3633, 0.2229,  
0.3205

 97.3455, 0.3176,  
0.3334

 69.0248, 0.2222,  
0.3199

 97.7854, 0.3175,  
0.3341

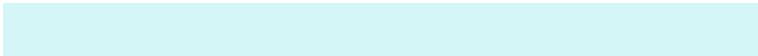
# Harmonies

## Analogous

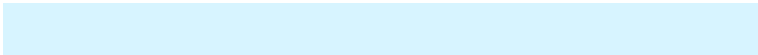
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6240, 0.3004, 0.3398



86.6240, 0.2911, 0.3279



86.6240, 0.2875, 0.3167

# Triad

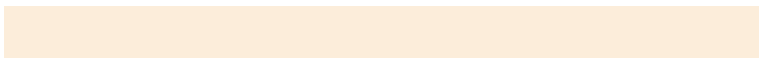
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6240, 0.2911, 0.3279



86.6240, 0.3120, 0.3104



86.6240, 0.3353, 0.3489

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



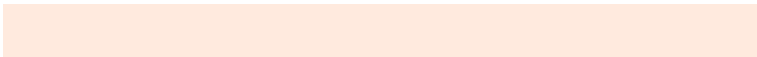
86.6240, 0.2911, 0.3279



72.1322, 0.3389, 0.3301

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6240, 0.3386, 0.3406



86.6240, 0.2911, 0.3279



86.6240, 0.3250, 0.3186

# Square

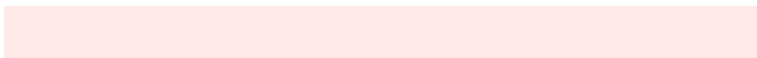
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.6240, 0.2911, 0.3279



86.6240, 0.2994, 0.3069



86.6240, 0.3348, 0.3295

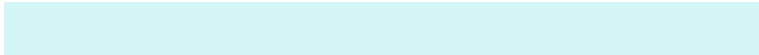


86.6240, 0.3258, 0.3520

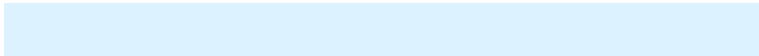


# Rectangle

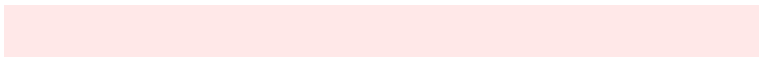
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



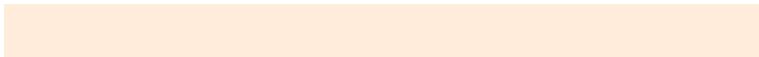
86.6240, 0.2911, 0.3279



86.6240, 0.2888, 0.3110



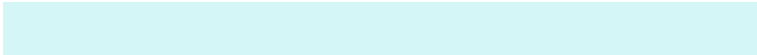
86.6240, 0.3348, 0.3295



86.6240, 0.3371, 0.3466

# Sweetspot

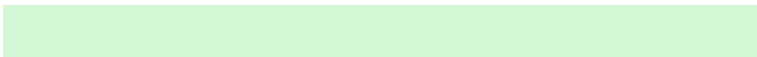
The Sweet Spot groups the original color and five complimentary colors.



86.6276, 0.2911, 0.3279



97.9321, 0.3065, 0.3287



85.3025, 0.3106, 0.3660



20.8807, 0.3053, 0.3286



0.0000, 0.0000, 0.0000

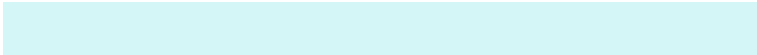


21.4041, 0.3127, 0.3290

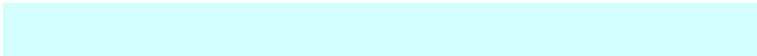


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.6276, 0.2911, 0.3279



91.9031, 0.2869, 0.3277



76.7189, 0.2905, 0.3098



18.6724, 0.2981, 0.3283



36.5465, 0.2223, 0.3201



3.2371, 0.2226, 0.3212



# Inverse Universe

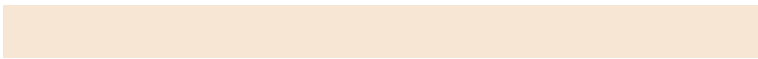
The Inverse Universe completely reimagines the original color for something new.



73.5331, 0.3150, 0.2949



75.3132, 0.3155, 0.2879



81.1752, 0.3364, 0.3475



16.7597, 0.3142, 0.3063



13.7888, 0.3281, 0.1581

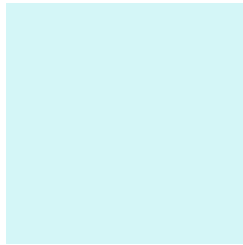


1.2144, 0.3272, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 86.6240, 0.2911, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

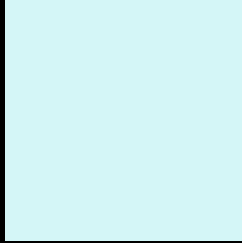
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6240, 0.2911, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

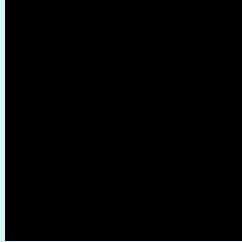
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

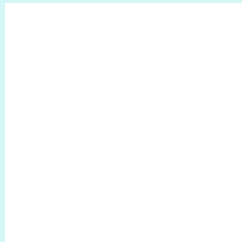
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.6240, 0.2911, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6240, 0.2911, 0.3279.

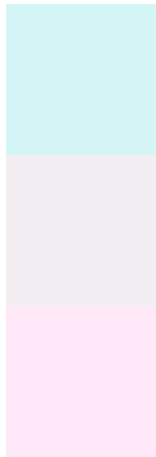


This preview shows how white text looks on a background with the Yxy color 86.6240, 0.2911, 0.3279.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

86.6240, 0.2911, 0.3279

### Protanopia

86.4371, 0.3129, 0.3250

### Deuteranopia

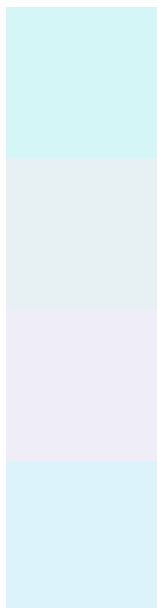
86.3774, 0.3175, 0.3135



## Tritanopia

86.5716, 0.2938, 0.3157

# Trichromacy



## Original Color

86.6240, 0.2911, 0.3279

## Protanomaly

86.4312, 0.3045, 0.3259

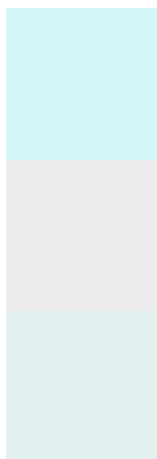
## Deuteranomaly

86.2771, 0.3073, 0.3190

## Tritanomaly

86.3451, 0.2930, 0.3197

# Monochromacy



## Original Color

86.6240, 0.2911, 0.3279

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.9423, 0.3043, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6240, 0.2911, 0.3279 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 246, 247)` looks like.

```
.text, #text, p{  
    color:rgb(212, 246, 247)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 246, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 246, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6240, 0.2911, 0.3279 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 246, 247) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(212, 246, 247) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(212, 246, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 246, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 246, 247);  
box-shadow:4px 4px 4px 4px rgb(212, 246,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6240, 0.2911, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 246, 247) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
246, 247) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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